

Git Productivity

Checkout previous branch

```
git checkout -
```


Remove all untracked files and folders

```
git clean -df
```

Diff 2 objects

```
git diff sha1..sha2
```

```
git diff branch1..branch2
```

(use 3 dots to diff from the common parent)

Diff the staging area

```
git diff --cached
```

Undo last commit without losing change

```
git reset --soft HEAD~1
```


Searching a repo

```
git grep keyboard
```

```
source/episodes/44.html.markdown:22:Justin tries really hard to make a good recursion pun, but gets stuck in a loop. Also,
keyboards!
source/episodes/44.html.markdown:29:* [Everyone deserves a good keyboard](http://www.reddit.com/r/keyboards)
source/episodes/44.html.markdown:31:* [Keyboard.io](http://www.keyboard.io/)
source/stylesheets/normalize.css.sass:82: * people.opera.com/patrickl/experiments/keyboard/test
```

Searching through the log

`git log -p -S keyboard`

```
commit 98aec637d9adb9354dc76524d9f49f3bdd14422
Author: Justin Campbell <justin@justincampbell.me>
Date: Tue Mar 31 22:57:03 2015 -0700

    Add summary

diff --git a/source/episodes/44.html.markdown b/source/episodes/44.html.markdown
index 9f9a0e5..84d5813 100644
--- a/source/episodes/44.html.markdown
+++ b/source/episodes/44.html.markdown
@@ -19,6 +19,8 @@ picks:
     url: http://youtube.com/confreaks
 ---

+Justin tries really hard to make a good recursion pun, but gets stuck in a loop. Also, keyboards!
+
+* [Code Words](https://codewords.recurse.com/)
+* [Loop School](http://school.looprecur.com)
+* [Justin's new setup](https://gist.github.com/justincampbell/77af93ebcd7ec001cfcc)

commit 8c023bfb226c3ba646573bfff95ce8411b8ad09d6
Author: Len Smith <len@barrison.com>
Date: Wed Apr 1 01:26:26 2015 -0400
```

Git autocorrect

```
git config --global help.autocorrect 10
```

Deleting a branch

< 1.7.0

```
git push origin :branchname
```

>= 1.7.0

```
git push origin --delete branchname
```

Git checkout with pick

- pick

```
git checkout $(git branch | pick)
```

```
audio-player  
compress-index  
continue-reading  
episode-16  
episode-35  
episode-summary  
episode29  
* master  
picks-as-episode-data  
podcast-content-with-picks  
update-episode-10-shownotes  
upgrade  
upgrade-deps
```

Hub command line utility

hub

- install hub
- alias hub to git

Examples of hub

```
git clone rails/rails
```

```
git pull-request
```

```
git browse --issues
```

Subway map

```
git log --graph \
--pretty=format: '%Cred%h%Creset -%C(yellow)%d%Creset %s %Cgreen(%cr) %C(bold cyan)<%an>%Creset' \
--abbrev-commit --date=relative
```

```
* bffb071 - (HEAD -> master, origin/master, origin/HEAD) Merge pull request #127 from turing-incomplete/episode49 (2 weeks ago) <Justin Campbell>
|\
| * 471fc6d - Fix date (2 weeks ago) <Justin Campbell>
| * a87e1fc - Add tags and summary (2 weeks ago) <Justin Campbell>
| * e4d2761 - Format shownotes and add titles (2 weeks ago) <Justin Campbell>
| * de9e5eb - Format and add titles for picks (2 weeks ago) <Justin Campbell>
| * a68c453 - Fix mp3 url (2 weeks ago) <Justin Campbell>
| * 6aa2006 - Episode 49 (from Etherpad.) (2 weeks ago) <Len Smith>
|/
* 0d174f4 - Merge pull request #126 from lolindrath/podcast-content-with-picks (3 weeks ago) <Jearvon Dharrie>
|\
| * 2a8108e - (podcast-content-with-picks) Add Picks to podcast feed (3 weeks ago) <Andy Williams>
|/
* 9e1a8a5 - Fix typo (4 weeks ago) <Justin Campbell>
* 98ab38c - Merge pull request #125 from turing-incomplete/episode48 (4 weeks ago) <Justin Campbell>
|\
| * 47bc9f5 - 48: Update title, add desc + tags (4 weeks ago) <Justin Campbell>
| * 8dcc670 - added the wire link (4 weeks ago) <Len Smith>
| * f04234b - episode 48 (4 weeks ago) <Len Smith>
* | ed552ed - Add more tags (5 weeks ago) <Justin Campbell>
* | 196f926 - Merge pull request #122 from turing-incomplete/e48 (5 weeks ago) <Len Smith>
|\ \
| |/
|/|
| * 2bfbb2b - (origin/e48) new title for e47 (5 weeks ago) <Len Smith>
| * 6dd051c - new mp3 data for e47 (5 weeks ago) <Len Smith>
.
```


Jump to git root

```
cd `git rev-parse --show-cdup` || pwd`
```